

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/23/2022 10:05 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125548	0	1.24	125457	1.23
Blue	F	SSC	125000	124999	-1	2.69	125423	2.51
Blue	E	FITC	13602	13176	-4	2.25	369	13.17
Blue	D	PE	24891	24759	-1	1.62	588	10.41
Blue	B	PerCP-Cy5-5	33972	33266	-3	3.00	949	15.14
Blue	A	PE-Cy7	22865	22884	0	4.99	477	30.54
Red	C	APC	47198	46816	-1	2.59	1612	11.57
Red	A	APC-Cy7	26454	25779	-3	3.10	731	12.01
Violet	B	V450	6737	6508	-4	3.56	454	11.03
Violet	A	V500	29317	28272	-4	3.11	969	8.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24304	2.17	537	2	N/A	N/A	Pass
Blue	F	SSC	56155	1.97	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	487	3	0.0507	292	Pass
Blue	D	PE	115	38.44	491	5	0.4112	313	Pass
Blue	B	PerCP-Cy5-5	149	42.36	583	4	0.0192	83	Pass
Blue	A	PE-Cy7	79	79.43	627	6	0.0222	1	Pass
Red	C	APC	337	26.04	574	2	0.0275	173	Pass
Red	A	APC-Cy7	136	34.11	551	0	0.0068	1404	Pass
Violet	B	V450	77	45.62	451	1	0.0640	2442	Pass
Violet	A	V500	113	29.91	470	1	0.0257	677	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/23/2022 10:05 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.84	-31.62	0.99
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.88	13.90 - 20.86	N/A	N/A	30.11	30.28	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9604

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments